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Spaceport News

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http://www-pao.ksc.nasa.gov/kscpao/snews/snewstoc.htm John F. Kennedy Space Center

Hurricane Charley brushes Center

KSC creates employee assistance hotline in response to effects

By Jeff Stuckey
Editor

This was a Friday the 13th that lived up to its lore.

High winds and heavy thunderstorms from Hurricane Charley brushed Kennedy Space Center the evening of Aug. 13. Based on safety concerns for employees and families, Associate Director Jim Hattaway closed the Center for normal business at noon and all nonessential personnel at KSC were released from duty.

The hurricane's peak wind of 87 mph (75 knots) occurred twice, at 10:50 p.m. and 11:10 p.m. Its sustained winds were above 40 knots beginning at 8:15 p.m. and fell below 40 knots at 1 a.m. The total rainfall for the storm in the area was 2.58 inches.

An "All Clear" was declared the following morning.

As with all hurricanes, phone lines were constantly updated to reflect weather conditions and employee duty status. Employees can call 867-3900, 861-7900 or other designated company phone lines in the event of a weather emergency.

Thanks to the preparatory actions of KSC's Emergency Preparedness Office, under the direction of Wayne Kee, crews enacted a deliberate and orderly shutdown of facilities to protect equipment and office work areas according to hurricane plans.

"The JBOSC Emergency Preparedness contractor, RPI, who is responsible for implementing the Emergency Preparedness Program at the Spaceport, did an exceptional job preparing the Center for the storm," Kee said.

He asks every employee to review the Comprehensive Emergency Management Plan each year. This plan, JHB 2000, is online in the KSC Business

(See CHARLEY, Page 2)

RPI EMERGENCY preparedness employees (from left) Ned Scheerhorn, Charley Street, Roger Scheidt and Dennis Reddecliff operate the Spaceport Emergency Operations Center (EOC) Aug. 13 while Hurricane Charley churns across Florida. The EOC forecast map released two days prior accurately portrayed the hurricane's path.

KSC reservists recount tour of duty in Middle East

By Linda Herridge
Staff Writer

Kennedy Space Center Reservists Charles Gambaro, Lisa Parada and Brad Frizzell are spending time with their loved ones at home now that their tour of service in the Middle East is over. But a part of their hearts and minds remain with those who are still serving.

"You never knew what was going to happen next," said NASA Quality Assurance Specialist Frizzell, an Air Force Reservist with the 301st Rescue Squadron. He served as a helicopter flight engineer in Iraq from June to September 2003.

Stationed at Baghdad International Airport, Frizzell's unit provided combat search and rescue for downed pilots or small teams needing emergency evacuation. "We averaged a 30-minute response time to get up in the air," he said.

(See RESERVISTS, Page 4)

STATIONED AT BAGHDAD International Airport, Reservist Brad Frizzell (right) and his unit provided combat search and rescue for downed pilots or small teams needing emergency evacuation.

The Kennedy Update

Jim Kennedy
Center Director

Greetings, everyone! The great writer and philosopher Aesop once stated, "No act of kindness, no matter how small, is ever wasted."

The KSC family proved that adage to be true during the past two weeks through its generosity to others in the aftermath of Hurricane Charley. I'm very proud to be associated with a group of people that truly care for one another.

I want to commend Wayne Kee, the emergency preparedness group and all of the people who helped us prepare for the impending storm. Their efforts made us weather the storm successfully. I know many of you in the Orlando and Titusville areas were directly affected by the storm in a big way.

Fallen trees, smashed cars and windows, power outages and lack of running water were the norm for many of you. While this was a tragic event that included loss of life, the spirit of the KSC community made it, in the end, easier than it might have been.

Almost instantly, co-workers and friends were calling and checking on each other. If someone needed a hand or a piece of equipment to cut up a tree or remove debris from a yard, it was provided.

We started a Hurricane Charley hotline where people could call in their needs or offer help. While it was a great avenue for communication, what impressed me most is that we ended the hotline after only five days because the needs of people were met almost instantly.

Some examples of the KSC family helping each other included a person with 23 fallen trees on their property. They were put in touch with people willing to help with chainsaws and they began cutting. Numerous requests for dry ice were made and met.

A tree punched a hole in a lady's roof and a gentleman with a carpentry background was able to get it patched. And the list goes on and on.

I'd like to thank two organizations at KSC who came to the aid of people. Lackmann Culinary Services, our food service provider, donated ice to whoever needed it and Delaware North teamed with Coca-Cola to provide a case of water on a daily basis to whoever was without it.

Even with all these examples, I know many of you also helped people from other parts of the state through food drives and fundraisers.

All of these acts of kindness show our NASA family is one-of-a-kind and second to none. I appreciate what everyone did for their fellow citizens. Now here is the kicker: Hurricane season has really just begun. So please restock that emergency supply kit, trim those trees and pick up that loose debris. The next bad storm could literally only be days away!

"Now here is the kicker: Hurricane season has really just begun. So please restock that emergency supply kit, trim those trees and pick up that loose debris."

Yesterday, we said goodbye to a tremendous member of the spaceport community, as the 45th Space Wing Commander Brig. Gen. Greg Pavlovich turned the reins over to Brig. Gen. Mark Owen during a change of command ceremony at Patrick Air Force Base.

"General Pav," as he is affectionately known, and his team were great supporters of NASA KSC and our numerous missions during his tenure. We could always count on them for having the 15-million-square-mile Eastern Range up and running for all launches. The wing also provides critical support in the areas of weather forecasting, emergency response and our joint efforts through the J-BOSC contract.

Gen. Pav, all of the KSC community wishes you and your wife Deb the best in your future endeavors and you are always a welcome friend in our community. At the same time, I know we all welcome Gen. Owen to our community and I look forward to working with him and having him as a part of our spaceport team.

Before my next column, Labor Day will have come and gone. It's another opportunity for everyone to hit the road for a three-day weekend before the summer officially ends. Please drive safe and get the rest you need, and definitely keep your eye on the weather forecast for any storm that could be forming on short notice.

Finally, two important NASA Updates are taking place Aug. 30 and Sept. 2. The first covers the progress for Return to Flight one year after the release of the CAIB report. The second deals with the fifth in the series of transformation discussions and we are hosting it here at KSC. I encourage everyone to tune in and listen to the latest in both of these important areas. Have a great week, everyone!

CHARLEY . . .

(Continued from Page 1)

World. Specifics on Hurricane Preparedness can be found in JDP-P-KSC-3006, Hurricane Preparation Procedures.

Minor damage was reported and the Center never lost utilities throughout the storm.

Hurricane Charley Hotline

Because NASA is dedicated to the values of safety, family, excellence and integrity, Center Director Jim Kennedy quickly established a Hurricane Charley Assistance Hotline Aug. 17-20 to help employees who suffered hardships because of the storm. A list enabled employees to provide help to their fellow members of the KSC family.

"We respect each other, trust each other, support each other, mourn together, celebrate together and dream together," said Kennedy. "Together, we worked our way through this challenge."

As expected, many employees came forward to help, including Marvin Rosencrants, Desire Ham, Thomas Ferruzza, Joyce Rosemary, Ken Williams, Bill Taylor and many others.

THIS SIGN reflects peak wind speeds of 87 mph recorded during Hurricane Charley at the Center's northern boundary

Education, family values inspire NASA engineer

Who says there's no room for old-fashioned virtue in the Space Age? For Kennedy Space Center's Michelle Amos, there's nothing cliché about "family values."

Thanks to her parents' encouragement and their abiding emphasis on education and hard work, Amos said she and her siblings felt the sky was the limit. Today, this NASA engineer takes those childhood lessons to heart and helps ensure there are no limits for future generations of young explorers.

"We truly make history every day at NASA," said Amos, an electronics design engineer. "The things my parents taught me about life gave me the knowledge and opportunity to make things better, not just here on Earth, but in space as well."

Amos designs electrical systems and control equipment in KSC's Advanced Technology Development Center, a proving ground for equipment to be used on future space projects. She also works on a support team for the International Space Station, modifying electrical system designs, maintaining drawings, and configuring and documenting electrical equipment used to support the Space Station ground support equipment.

None of Amos's accomplishments come as a surprise to her parents, who always expected great success from their 10 kids. Her father, Dunk Wright, is a retired carpenter and her mother, Dorothy Wright, is a food service technician.

Her parents raised their children on seven acres in Baker, La., just outside of Baton Rouge. Michelle, the youngest, graduated in 1989 from Southern University in Baton Rouge, the seventh of her siblings to achieve such a milestone.

"They told us education was a must, and all of us are successful because of that," said Amos, who also earned a Master's degree in Engineering Management in 2003 from the University of Central Florida in Orlando.

The influence of several older siblings helped shape her career path. "Three of my brothers were engineers, and they told me it was a wide-open field for women," she said. "I had done well in science and math and was in the top fourth of my high school class, so I decided that was the way to go."

Amos joined NASA in 1990 as an electronics design engineer

MICHELLE AMOS, pictured at an event hosted by KSC's Black Employee Strategy Team, works at the Advanced Technology Development Center.

in the Engineering Development Directorate, and continued to revere the values her parents imparted to help others. She served from 2001-2003 on KSC's Black Employee Strategy Team, a group that encourages African-Americans to pursue leadership excellence.

Since October 2003, she has served as volunteer chairwoman in KSC's Change Leaders Network, a team that promotes progressive leadership tools and techniques for employees.

Amos also participates in the "Women of NASA" program, encouraging women of all ages, through live Web chats and forums, to pursue scientific studies.

Amos has mentored students through NASA's Summer High School Apprenticeship Research Program and encourages young people to never stop learning.

"Your words and actions can inspire others to become something great," Amos tells her students. "To make a positive influence in someone's life is a priceless reward."

Shuttle employee helps NASA, community reach goals

By Jennifer Wolfinger
Staff Writer

Valuing teamwork and helping the Agency reach its space flight goals are just a few award-winning characteristics of Jennifer Van Den Driessche, a NASA Employee of the Month in June.

Van Den Driessche leads a group of NASA, Boeing and United Space Alliance engineers. Together, they develop ways to protect the Shuttle by preventing zinc from leaching off the launch pads, in response to the Columbia Accident Investigation Board's (CAIB) recommendation.

"I was very proud to be helping the CAIB investigation,

JENNIFER VAN DEN DRIESSCHE, NASA Shuttle Processing, credits her team after receiving a recent award.

and glad that I was doing everything that I could do to help us safely return to flight," she said. "It felt great to be selected (as an Employee of the Month), though everyone on the team worked as hard as I did and should be recognized, as well."

The Shuttle Processing employee also finds time to further her education.

"I am currently working on my Masters of Business Administration from University of Central Florida and hope to be completed by summer of 2005," she said. "I'm also working on taking my peer review to become a certified coatings inspector from the National Association of Corrosion Engineers."

When she's not supporting Return to Flight efforts, Van Den Driessche teams up with other structural engineers to manage the operations and maintenance of the Shuttle Launch Pad structures. In addition, she serves as the corrosion control engineer for ground systems.

Daughter of Thomas and Rebecca Van Den Driessche, and sister to Matt and Andy, her fascination with the space industry began as a child.

"I enjoyed launching rockets

(See JENNIFER, Page 7)

First booster segment prepared for Return to Flight

Paul Gutierrez, United Space Alliance associate program manager for the Solid Rocket Booster Element (below), congratulates employees at the Assembly and Refurbishment Facility for preparing the first (left) solid rocket booster aft skirt for mission STS-114 on schedule. The segment, seen behind Gutierrez, will be transferred to the Rotation Processing and Surge Facility. There, an aft motor segment and an external tank attach ring will be installed. The stack will then be moved to the Vehicle Assembly Building for further build-up. This is the first transfer of a large piece of hardware from the Solid Rocket Booster division to the Ground Operations division. It is a significant milestone in the march to Return to Flight. At right, employees sign a banner commemorating the milestone.

RESERVISTS . . .

(Continued from Page 1)

"We slept in 10-person tents and spent a lot of time doing urban operations training to build our skills up," Frizzell said. "We survived airport bombings by insurgents, the blazing heat and the native camel spiders - a very dangerous spider that you want to avoid."

Gambaro, a U.S. Army Reserve Colonel, left Ft. Stewart, Ga., bound for Kuwait in late April 2003. One week later, he flew into Baghdad to serve as commander of an engineer group attached to the 101st Airborne Division, known as "The Screamin' Eagles."

Stationed in Mosul, near the Tigris River and 700 miles north of Kuwait, Gambaro commanded the activities of 2,500 soldiers, including well drillers, firefighters, plumbers, electricians, carpenters and welders.

Under Gambaro's direction, the unit renovated schools, prisons, police stations and orphanages in Mosul and the surrounding areas. They repaired a dam, dug wells for villages, restored roads and water lines, rebuilt municipal buildings and cleared landing fields so helicopters could deliver supplies.

The old power lines in some areas were fragile, Gambaro said. The unit brought in two transformers and upgraded power lines, providing electricity to many who hadn't had it in years.

"We established communication right away with the local leaders in the city," said Gambaro, adding that approximately 2,500 Iraqis were hired to work with soldiers.

Gambaro's typical workday included ambushes, mortar rounds, rocket-propelled grenades and car bombs. During the day, temperatures averaged 110 to 125 degrees Fahrenheit. Soldiers wore gloves to protect their hands from the sun-heated steel or metal and wrap-around glasses to keep sand out of their eyes.

Back home in March 2004, Gambaro returned to his job as NASA lead of the Infrastructure and Engineering Group, Cape Canaveral Spaceport Management Office (CCSMO), in April. "It was incredible coming home. Adjusting to home was easy. But it was hard on my family and takes a toll on everyone," he said.

Since returning home, Gambaro briefed KSC's upper management team on his unit's accomplishments.

Lisa Parada, a NASA program analyst in the CCSMO, is an Air Force Reservist with the 920th Maintenance Group from Patrick Air Force Base. She was stationed at Baghdad International Airport from May to September 2003. Parada coordinated the maintenance activities of 30 technicians to make sure three H60 Pave Hawk Helicopters worked around the clock.

During her service, the helicopters were used to rescue people at the United Nations headquarters in downtown Baghdad and for other search and rescue missions.

Parada's unit survived mortar attacks and scorching heat. They were cheered up by letters from schoolchildren and care packages from home. During her stay, her unit saved an injured pigeon and nicknamed him "Bird." The feathered friend became a mascot and followed the workers around.

"I like being part of the Air Force and the camaraderie," said Parada. "Serving in Iraq made me proud to serve my country and help in the war effort. Rescue missions, in general, are very rewarding."

During her service, Parada participated in urban rescue training missions and met Blackhawk Army maintenance workers. She also served in Kuwait from June to September 2002 and worked on HC-130 mid-air refueling rescue planes.

Center looks to MARRS for weather patterns

By Charlie Plain
Staff Writer

When thunderstorms rumble in and lightning flashes, you may have only seconds to get out of the way. For Kennedy Space Center, severe weather is double the trouble.

With hundreds of workers and multi-million dollar hardware operating outside, NASA needs a system that can keep an eye to the sky and detect trouble before it arrives. To find an answer, the Center went to MARSS.

MARSS stands for Meteorological and Atmospheric Real-time Safety Support and is a stroke of computer genius forged in a partnership between Kennedy Space Center and ENSCO, Inc., of Springfield, Va.

MARSS is an amazing computer system that produces vivid, real-time models of local weather. The system works by collecting data from a network of lightning, temperature, wind and other sensors scattered across the KSC complex.

Scientists process the information gathered by MARSS to create sophisticated computer screens that show details like storm motion, speed and lightning strikes. With this system, safety personnel can monitor dangerous weather and warn crews that may be working outside.

MARSS can also be programmed to simulate the weather during launch operations. When a rocket launches, there's a huge plume of smoke and steam generated by the flaming engines. The system can factor in wind speed and direction to predict which way the plume will travel.

This ability to foresee which way the cloud will go allows KSC to position personnel and equipment accordingly.

Outside of rocket launches, MARSS also has other incredibly valuable applications for keeping people and property safe.

When Florida had a rampant wildfire outbreak in 1998, a MARSS system was installed at a fire response command post in Cocoa. Fire fighters used the system to alert them when lightning was threatening to ignite more fires and to predict what influence wind was having on already burning fires and smoke.

When severe weather approaches, you need to find out if the storm is heading your way. If you're in the yard, you look to the clouds and blowing trees.

If you're at Kennedy Space Center, you look to MARSS.

A POWERFUL ELECTRICAL STORM in Spring Hill, Fla. To plan for lightning activity, KSC uses MARSS, a system that works by collecting data from a network of lightning, temperature, wind and other sensors scattered across the complex.

LIGHTNING SAFETY

Use the '30-30 Rule' when outdoors. If there is 30 seconds or less between lightning and its thunder, go inside. Wait 30 minutes or more after the last sound of thunder before going outside. One of the safest places from lightning is a large, fully-enclosed building with wiring. Keep away from corded telephones and appliances.

Upgrades enhance LCC firing room equipment

By Jennifer Wolfinger
Staff Writer

As the Space Shuttle Program advanced over the years, the technology required in the firing rooms to launch the Space Shuttles needed a makeover.

Firing Room 4 (FR4) is now close to revealing its new look that will enhance the capabilities of the equipment and provide more room for experts to work their magic during launches.

Since the beginning of the Space Shuttle Program, launches have used the Command Control and Monitor Subsystem (CCMS), which has been gradually upgraded as needed to meet Kennedy Space Center's safety and reliability goals.

In 2002, the Extended Survivability Project emerged to modernize the three FRs and to upgrade the remaining CCMS equipment.

EMPLOYEES INSTALL upgraded equipment inside Firing Room 4 at the Launch Control Center, including additional work stations.

FR4's environment experienced the most obvious changes, such as adding sound-suppressing walls and floors, relocating noisy air-handlers, and installing new humidity-control and fire-suppression systems. New consoles and support tables also provide the 48 Space Shuttle engineering and 20 test conductor positions additional work, advisory and business stations, and easy access to laptop power and network connections.

Although less visible, FR4 will also provide important upgrades to CCMS with newer and more reliable components.

"Engineers, test conductors, management and the launch director will use this room to control and monitor the Shuttle, its payloads and Ground Support Equipment from landing to launch," said Shuttle Processing's Rick Dawson, system integration manager for the Guidance, Digital and

(See UPGRADES, Page 7)

NASA's Swift to examine black hole births

The Swift satellite, which will pinpoint the location of distant yet fleeting explosions that appear to signal the births of black holes, arrived at Kennedy Space Center last month to begin preparations for its Oct. 7 launch.

The stacking of the Boeing Delta II launch vehicle on Pad 17-A is scheduled to begin Sept. 1 with the hoisting of the first stage into the launcher. Attachment of the nine strap-on solid rocket boosters, in sets of three, will follow.

Gamma-ray bursts are the most powerful explosions known in the universe, emitting more than 100 billion times the energy that the Sun does in a year. They last only from a few milliseconds to a few minutes, never to appear in the same spot again.

IN HANGAR AE at Cape Canaveral Air Force Station, employees examine the final pieces of protective cover on the Swift spacecraft that must be removed. Launch is scheduled for Oct. 7.

The Swift satellite is named for the nimble bird, because it can swiftly turn and point its instruments to catch a burst on the fly, in order to study both the burst and its afterglow. This afterglow phenomenon follows the initial gamma-ray flash in most bursts and it can linger in X-ray light, visible light and radio waves for hours or weeks, providing great detail for observations.

Swift is a medium-class explorer mission managed by NASA's Goddard Space Flight Center in Greenbelt, Md., and built by Spectrum Astro, a division of General Dynamics.

Francois earns leadership award

Steve Francois, director of the Launch Services Program, is the recipient of the Distinguished Service Award by the Space Coast Chapter of Federally Employed Women. In the letter of nomination, Francois was commended for his outstanding example of leadership excellence, characterized by his display of integrity in his business and personal dealings. Among the 195 employees in this engineering directorate, more than 29 percent are female engineers. These include positions such as office chief of the Mission Management Office and the Program Integration Office, as well as the chief technologist. Many of these women were in secretarial fields and advanced to their current positions with the support of Francois. With the hiring of new employees this year, six of them have been female engineers and five women joined with the recent reorganization. During the 2003 fiscal year, 72 females received On-The-Spot awards and 45 earned performance awards.

STEVE FRANCOIS, director of the Launch Services Program, receives the Distinguished Service Award from members of Federally Employed Women.

'Transformation Dialogues' at KSC Sept. 2

NASA's "Transformation Dialogues" are a new way to communicate with Agency leadership and the NASA family about the new organizational structure. Kennedy Space Center will host this forum Sept. 2 at 11 a.m. and discuss NASA's new direction. Employees can e-mail questions to **transformation@nasa.gov** before the event.

To continue the conversation, employees are encouraged to participate in the online forums, where they can join in the on going conversations about topics such as the Aldridge Report, the Agency's new organization structure and the Clarity Team Report, or start a new topic.

The comments posted in the forums are being reviewed by the Agency's leadership as guidance for the ongoing transformation efforts.

To join the online conversation, follow the "Online Dialogue Forum" link on the Inside NASA Web site: **www.insidenasa.nasa.gov**.

The dialogues will be broadcast on NASA Television and webcast on **www.nasa.gov/multimedia/nasatv/index.html**.

Remembering Our Heritage

Syncom III goes for the gold in 1964

This communications satellite secured its place in the record books in 1964 with an impressive list of firsts.

By Kay Grinter
Reference Librarian

Launch of the Hughes-built satellite on Aug. 19, 1964, aboard a Douglas Thrust-Augmented Delta expendable vehicle, was a first from Cape Kennedy. The Thor first stage was equipped with three strap-on solid propellant motors, providing a total of 333,550 pounds of thrust.

"Previously, Thrust-Augmented Thors had been launched from Vandenberg (Air Force Base in California), but this was the first east coast launch of the vehicle by NASA," recalls Brian Grigsby, a propulsion engineer for Goddard Launch Operations that year.

"Elaborate optical equipment was used at the pad to determine that the rocket nozzles were aligned properly before launch. Large umbrellas protected the equipment from the heat of the Sun," Grigsby said, reminiscing from his summer home in upstate New York.

"The team was glad to learn from the telemetry received after launch that the boosters had ejected successfully."

The mission also marked the first use of an orbiting satellite in an operational role during a launch. Syncom III was placed into the proper orbit using feedback from its sister satellite, Syncom II, which provided a reliable relay point in space for communications between ground stations and the Goddard Space Flight Center in Maryland.

When spacecraft maneuvers were complete on Sept. 11, Syncom III was aligned at an inclination of less than one degree with the equator in the first truly "hovering" synchronous orbit ever achieved.

Fifteen days of transmitting the Olympic Games from Tokyo began on Oct. 7, the first television programming broadcast across the Pacific.

The opening ceremonies were seen live in the U.S., and more than 50 million Europeans - including viewers behind the Iron Curtain - received same-day transmission of the games.

Another first for Syncom III was relaying communications from a ground station to an aircraft in flight. On Nov. 30, a Pan American Airways flight operating between San Francisco and Honolulu received error-free teletype messages for one hour.

Syncom III performed beyond design requirements as a communications relay between Asia and the United States.

NASA transferred control of Syncoms II and III to the Department of Defense on July 8, 1965, and the satellites proved useful in the nation's Vietnam communications.

ELABORATE OPTICAL equipment was used at the pad for the launch of Syncom III to determine that the rocket nozzles were aligned properly before launch. Large umbrellas protected the equipment from the heat of the Sun.

UPGRADES . . . *(Continued from Page 5)*

Ground Data Systems division.

"This includes OPF processing and integrated operations. Most of the time, this room will support day-to-day Shuttle processing during the several months of a given flow, and will then be used during launch countdown," said Dawson, who works with several NASA and United Space Alliance engineers to meet the project's goals.

FR4 is scheduled to show off its new look in April 2005, with FR3's modernizations to follow. When FR3 is operational, FR1 will retire as a CCMS Control Room.

JENNIFER . . .

(Continued from Page 3)

in our backyard, and for two summers I went to Space Camp in Huntsville, Ala.," she said. "These experiences led me to get my bachelor's in Aerospace Engineering at the University of Southern California, where I was active in the American Institute of Aeronautics and Astronautics, being treasurer for two years and vice chair one year."

Van Den Driessche's education could come in handy with her hobbies, as she enjoys playing trivia games in her spare time. She also plays soccer, reads, and volunteers by judging local science fairs and participating in Days of Caring, an annual United Way project that involves volunteers helping in projects throughout the county.

Combined Federal Campaign begins soon

This year's Combined Federal Campaign will begin with a Kick-Off Ceremony in the KSC Training Auditorium at 10 a.m. Sept. 30.

This year's campaign slogan, "YOU Become the Hero…By Caring, Sharing and Giving," submitted by Betty Valentine, UB-I, reflects the patriotic theme of the campaign.

Featured speakers at the ceremony will be retired U.S. Army Col. Danny McKnight, whose combat duty was the basis for the book and movie "Black Hawk Down." Also featured will be a motivational speech about teamwork on by Charles Gambaro, a KSC employee and Army Reservist, who recently completed a one-year tour of duty in Iraq (see page 1).

More details about the kick-off are being planned.

SPACEPORT EMPLOYEES involved in this year's Combined Federal Campaign include (from left): Laurie Brown, Peggy Parrish, Christy Moore, Mark Thompson, Genger Thorn, Patty Hepburn, Jeri Honeycutt, Center Director Jim Kennedy, Chief Financial Officer and CFC Chairperson N.A. Carroll, Tom Clarke,Rocky Grider and Ed Markowski.

KSC Fitness Centers Intercenter Walk/Run

THE INTERCENTER WALK/RUN Sept. 14 takes place on the runway (above) of the Shuttle Landing Facility. Participants enjoy delicious food (left) and other benefits after finishing their walk or run.

The KSC Fitness Centers will be sponsoring the Intercenter Walk/Run on Tuesday, September 14 at 5 p.m. at the Shuttle Landing Facility. The 2 mile walk or run; 5k run and 10k run are FREE for all spaceport employees. Stop by either Fitness Center until September 10 to pre-register. Late registration takes place at the race. T-shirts may be ordered at any NASA exchange store. The order deadline is August 31 for t-shirts to be delivered before the race. If you are interested in being a volunteer, call Debra Orringer at 867-7829.

August Employees of the Month

STANDING IN THE BACK ROW, from left, are: Jay Edelmann (PH); Phil Swihart (SA); James Davis (GG); Louie Garcia (UB). Seated in front, from left, are: Eric Dirschka (TA); John Speck (VA); Patricia Christian (XA); and Christopher Perri (IT).

John F. Kennedy Space Center

Spaceport News

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